

- 1 1. A method implemented in a computer program application for updating software on a
2 programmable device, the method comprising:
 - 3 providing two way communication between a server and the programmable
4 device;
 - 5 configuring an updating process that executes on the server;
 - 6 updating the programmable device in accordance with the updating process;
 - 7 testing the operation of at least a portion of the updated software on the
8 programmable device.
- 1 2. The method of claim 1 further comprising
2 backing up at least a portion of the pre-existing software on the programmable
3 device, and
4 based upon the testing, restoring the backed portion of the software on the
5 programmable device.
- 1 3. The method of claim 2 wherein the backing up occurs on the programmable device.
- 1 4. The method of claim 2 wherein the backing up occurs at the server.
- 1 5. The method of claim 1 wherein the communications is over the Internet.
- 1 6. The method of claim 1 further comprising the server signaling the programmable
2 device to shut down and restart prior to the backing up action.
- 1 7. The method of claim 6 wherein there is a user definable delay between the signaling
2 and the shutting down.
- 1 8. The method of claim 2 further comprising:
 - 2 sending a signal to a user based upon an outcome of the testing,
- 1 9. A system for updating software on a programmable device comprising:

2 a server;
3 a programmable device able to be in two way communication with the server;
4 the server comprising computer software comprising instructions to cause the server
5 to
6 configure an update process;
7 update software on the programmable device in accordance with the update
8 process;
9 test the operation of at least a portion of the updated software on the
10 programmable device.

1 10. The system of claim 9 wherein the computer software further comprises instructions
2 to

3 back up at least a portion of the software on the programmable device;
4 based upon the testing, restore at least a portion of the backed up software
5 onto the programmable device.

1 11. The system of claim 10 wherein the back up occurs at the server.

1 12. The system of claim 9 wherein the communication is over the Internet.

1 13. The system of claim 9 wherein the computer software further comprises instructions
2 to cause the server to signal the programmable device to shut down and restart prior
3 to the back up.

1 14. The system of claim 9 wherein a user definable delay between the signaling and the
2 shutting down is provided.

1 15. A computer program product, tangibly stored on a computer-readable medium, for
2 updating software on a programmable device, comprising instructions operable to
3 cause a programmable processor to:
4 configure an update process;

5 communicate with the programmable device over a two way communications
6 medium;

7 backup at least a portion of the software on the programmable device;
8 update software on the programmable device in accordance with the update
9 process;

10 test the operation of at least a portion of the updated software on the
11 programmable device.

1 16. The product of claim 15 further comprising computer software comprising
2 instructions to cause the server to restore at least a portion of the backed up software
3 on the programmable device based upon the testing.,

1 17. The product of claim 16 wherein back up occurs on the programmable device.

1 18. The product of claim 16 wherein the backing up occurs at the server.

1 19. The product of claim 15 wherein the communication is over the Internet.

1 20. The product of claim 15 further comprising instructions operable to cause a
2 programmable processor to cause the server to signal the programmable device to
3 shut down and restart prior to the backing up step.

1 21. The product of claim 20 wherein there is a user definable delay between the signaling
2 and the shutting down.

1 22. The method of claim 15 further comprising instructions to:
2 send a signal to a user based upon a testing outcome.